

**THE PORT AUTHORITY  
OF NY & NJ**

ORIGINAL SIGNED BY JERROLD DINKELS  
ENGINEERING PROGRAM MANAGER  
WORLD TRADE

ORIGINAL SIGNED BY JACK BUCHSBAUM  
CHIEF ELECTRICAL ENGINEER

1	2-2-01	AS BD	
No.	Date	Revision	Approved

ENGINEERING DEPARTMENT

**WORLD  
TRADE  
CENTER**

ELECTRICAL  
Title

TENANT STAND-BY POWER SYSTEM  
SUBSTATIONS SP-41A2, SP-7B

**TRANSFORMER  
DESCRIPTION  
AND ELEVATOR  
CLEARANCE**

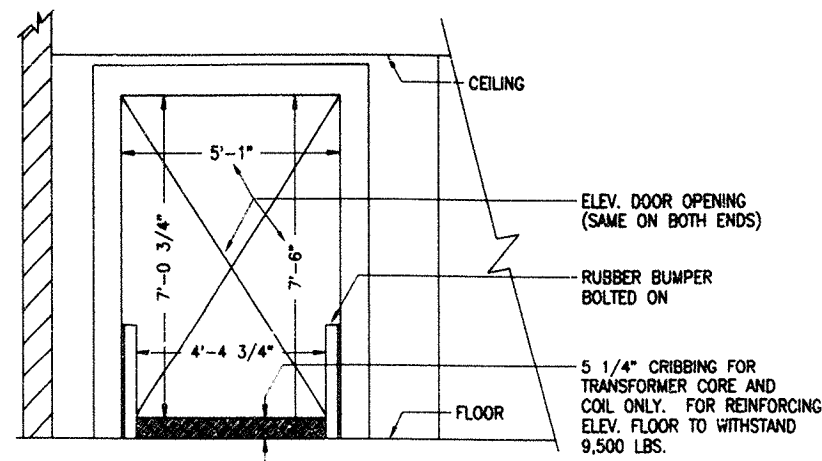
This drawing subject to conditions in contract.  
All inventions, ideas, designs and methods  
herein are reserved to Port Authority and  
may not be used without its written consent.

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Designed by Drawn by Checked by

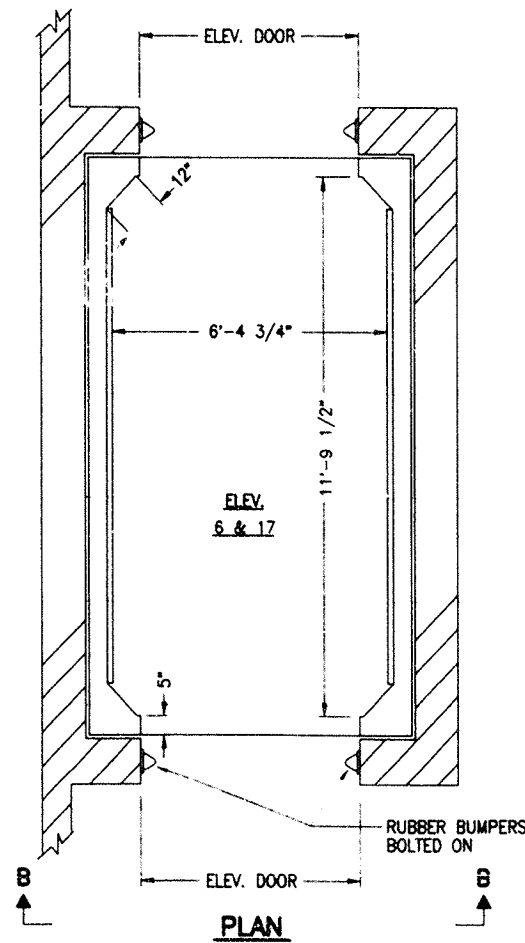
Date DECEMBER 8, 2000

Contract  
Number WTC-945.083

Drawing  
Number E10



**SECTION B-B**



**PLAN**

**W.T.C. ELEVATOR CLEARANCE DETAIL**

SEE CONTRACT DRAWINGS E4 AND E5 FOR EQUIPMENT ROUTING PLANS

**NOTES**

- EQUIPMENT SHALL BE DIVIDED INTO SEPARATE SHIPPING SECTIONS FOR ASSEMBLY IN THE FIELD. SHIPPING SECTIONS SHALL NOT EXCEED 8'-0" HIGH X 6'-10" LONG X 4'-0" WIDE DIMENSIONS AND A WEIGHT OF 9,500 POUNDS AS NOTED BELOW.
  - DRY TYPE VPI DISTRIBUTION TRANSFORMER AND SWITCHGEAR SECTIONS SHALL BE SHIPPED DISASSEMBLED. TRANSFORMER CORE, COIL AND BASE, INCLUDING WHEELS, SHALL NOT EXCEED 6'-0" HIGH X 6'-10" LONG X 4'-10" WIDE DIMENSIONS AND A WEIGHT OF 9,500 POUNDS. THE W.T.C. ELEVATOR 10,000 POUND WEIGHT CAPACITY MINUS THE 500 POUNDS NEEDED FOR THE ELEVATOR FLOOR CRIBBING RESULTS IN THE ELEVATOR'S NET WEIGHT CAPACITY OF 9,500 POUNDS.
  - ALL EQUIPMENT SHIPPING SECTIONS MUST FIT ON W.T.C. ELEVATORS. SEE DETAILS ABOVE FOR ELEVATOR DIMENSIONS.
  - PACKAGING TAG FOR EACH SHIPPING SECTION SHALL INCLUDE SUBSTATION NUMBER (i.e. SP-41A2).
  - THE CONTRACTOR SHALL DISASSEMBLE THE DRY TYPE VPI DISTRIBUTION TRANSFORMER AND SWITCHGEAR SECTIONS, FABRICATED BY THE MANUFACTURER, AND PREPARE SHIPPING SECTIONS FOR THE WEIGHT AND DIMENSION LIMITATIONS INDICATED HEREIN.
- ALL OUTGOING WIRING, CONTROL, ALARM AND INDICATION CONTACTS SHALL BE WIRED TO TERMINAL BLOCKS WITHIN EACH SHIPPING SECTION. (PROVIDE 25% SPARE TERMINAL POINTS PER STRIP FOR FUTURE USE, MINIMUM 6 SPARE POINTS)